



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/019,558	12/31/2001	Haim Guata	GUATA=1	8704

1444 7590 04/11/2006

BROWDY AND NEIMARK, P.L.L.C.  
624 NINTH STREET, NW  
SUITE 300  
WASHINGTON, DC 20001-5303

EXAMINER

POKRZYWA, JOSEPH R

ART UNIT PAPER NUMBER

2625

DATE MAILED: 04/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/019,558	<b>Applicant(s)</b> GUATA, HAIM	
	<b>Examiner</b> Joseph R. Pokrzywa	<b>Art Unit</b> 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 25 January 2006.
- 2a) ☒ This action is FINAL.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Response to Amendment*

1. Applicant's amendment was received on 1/25/06, and has been entered and made of record. Currently, **claims 1-15** are pending.

### *Response to Arguments*

2. Applicant's arguments filed 1/25/06 have been fully considered but they are not persuasive.
3. In response to applicant's arguments regarding the rejection of claim 1, which was cited in the Office action dated 8/25/05 as being anticipated by Piasecki *et al.* (U.S. Patent Number 5,117,453), whereby applicant argues on pages 11 and 12, that Piasecki fails to teach of the diversion of facsimile signals to allow their transmission along a communication path different from the one along a communication path different from the one along which the rest of the VBD signals are transmitted. The examiner notes that claim 1, as amended, currently requires "a first transmission means operative to transmit the received signals along a first transmission path, wherein signals of at least one type selected from among said at least two different types of signals are diverted from the first transmission path along which signals of the other types are transmitted, and a second transmission means operative to transmit the diverted signals of the at least one type along a second transmission path."
4. Piasecki can be interpreted as teaching these limitations. Particularly, Piasecki teaches in column 6, lines 34-66 that different signal type paths are received and detected, being signals

Art Unit: 2625

along speech, tone, and facsimile paths. Continuing, in column 7, lines 38-41, Piasecki states that "The transmit DSI switch 56 receives 8 X 2.048 Mbit/s digital streams from the transmit delay 50 and selects, in response to commands from the CPU 44, an appropriate time slot." Further, Piasecki teaches on column 7, lines 38-61, that five 2.048 Mbit/s digital streams are used to transmit speech activity, non-facsimile voiceband data signals, and facsimile transmissions. Thus, Piasecki can be interpreted as operative to transmit received signals along a first transmission path (being the bit stream dedicated to trunks with facsimile transmissions, as read in column 7, lines 57-61), wherein signals of at least one type selected from among said at least two different types of signals (speech activity, non-facsimile voiceband data signals, or facsimile transmissions) are diverted from the first transmission path along which signals of the other types are transmitted (whereby speech activity is diverted to one of the three bit streams dedicated to trunk channels with speech activity and non-facsimile voiceband data signals are diverted to the third dedicated trunk). These diverted signals are then transmitted along a second transmission path (being through either the channels dedicated to speech activity or non-facsimile voiceband data signals). Thus, Piasecki can be interpreted as teaching of a first transmission means operative to transmit the received signals along a first transmission path, wherein signals of at least one type selected from among said at least two different types of signals are diverted from the first transmission path along which signals of the other types are transmitted, as currently required in claim 1.

5. Therefore, the rejection of independent claim 1, as well as independent claim 13, as cited in the Office action dated 8/25/05 under 35 U.S.C. 102(b) as being anticipated by Piasecki *et al.*, are maintained and repeated in this Office action.

Art Unit: 2625

6. Continuing, in response to applicant's arguments regarding the rejection of claim 1, which was also cited in the Office action dated 8/25/05 as being anticipated by Sicher *et al.* (U.S. Patent Number 6,112,084), whereby applicant argues on pages 12 and 13, that Sicher teaches of a different problem and solution than the current application, and thus fails to teach of "a first transmission means operative to transmit the received signals along a first transmission path, wherein signals of at least one type selected from among said at least two different types of signals are diverted from the first transmission path along which signals of the other types are transmitted, and a second transmission means operative to transmit the diverted signals of the at least one type along a second transmission path." As read in column 10, lines 33-42, Sicher states that "Simultaneous voice[/]data transmission is achieved ... by assigning two simultaneous voice channels to the same mobile station, and utilizing one channel for voice and the other channel for data." Thus, both channels normally carry voice signals, but with the teachings of Sicher, data signals are diverted to a channel along which signals of the other types are transmitted. This is further shown in column 10, line 53-column 11, line 17, wherein "the MSC allocates a second voice channel to the MS" and the "data transfer then takes place over the second channel." Therefore, Sicher can be interpreted as teaching transmitting the received signals along a first transmission path, wherein signals of at least one type selected from among said at least two different types of signals are diverted from the first transmission path along which signals of the other types are transmitted, and transmitting the diverted signals of the at least one type along a second transmission path, as required in the current claim language.

Art Unit: 2625

7. Therefore, the rejection of independent claim 1, as well as independent claim 13, as cited in the Office action dated 8/25/05 under 35 U.S.C. 102(e) as being anticipated by Sicher *et al.*, are maintained and repeated in this Office action.

### ***Specification***

8. The substitute specification was received on 1/25/05, and has been placed of record in the file.

### ***Claim Objections***

9. The examiner notes that applicant states on page 10 of the remarks dated 1/25/05 that claim 13, which was objected to in the previous Office action, was amended to overcome the objection. However, the typographical error still remains in the claim. Therefore, the objection is repeated in this Office action.

10. **Claim 13** is objected to because of the following informalities:

In ***claim 13***, lines 7 and 8, “per-defined “ should read “pre-defined”.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

11. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

12. **Claims 1-8, and 13-15** are rejected under 35 U.S.C. 102(b) as being anticipated by Piasecki *et al.* (U.S. Patent Number 5,117,453, cited in the Office action dated 8/25/05).

Regarding *claim 1*, Piasecki discloses a digital telecommunication station operative in a telecommunication network (column 2, line 20-column 3, line 36) and comprising at least one detector operative to receive at least two different types of signals and determine their type (column 2, lines 20-63), at least one switch controlled by one of the at least one detector, operative to channel signals received in accordance with the determination made by the one of the at least one detector (column 7, lines 1-68), a first transmission means operative to transmit the received signals along a first transmission path, wherein signals of at least one type selected from among said at least two different types of signals are diverted from the first transmission path along which signals of the other types are transmitted (column 7, lines 1-56), and a second transmission means operative to transmit the diverted signals of the at least one type along a second transmission path (column 7, lines 1-56).

Regarding *claim 2*, Piasecki discloses the station according to claim 1 discussed above, and further teaches of a storage capable of storing diverted signals of the at least one type (column 8, lines 18-25).

Regarding *claim 3*, Piasecki discloses the station according to claim 1 discussed above, and further teaches of at least two different pairs of compressing/decompressing devices (column 5, lines 22-40).

Regarding *claim 4*, Piasecki discloses the station according to claim 1 discussed above, and further teaches of that the signals of the at least one type to be diverted are facsimile signals (column 6, line 34-column 7, line 68).

Regarding **claim 5**, Piasecki discloses the station according to claim 4 discussed above, and further teaches of a device for demodulating/re-modulating the facsimile signals (column 8, lines 1-62).

Regarding **claim 6**, Piasecki discloses the station according to claim 5 discussed above, and further teaches that the demodulating/re-modulating device comprises facsimile signal demodulator/re-modulator (column 8, lines 1-62) and forward error correction apparatus wherein the forward error correction apparatus is operative to protect the output of the facsimile demodulator (column 8, lines 1-17).

Regarding **claim 7**, Piasecki discloses the station according to claim 1 discussed above, and further teaches that the signals of the at least one type to be diverted are signals used for a service that requires a lower class of quality (column 2, line 20-column 3, line 36).

Regarding **claim 8**, Piasecki discloses the station according to claim 3 discussed above, and further teaches of a first identifier for determining whether the signals received are of a digital compressed form (column 5, line 22-column 6, line 11), second identifier for determining whether the transmission path along which the signals will be transmitted includes at least one further operative means adapted for decompressing the signals when being transmitted in their compressed form (column 7, line 8-column 8, line 25), third transmission means operative in response to a determination made by the second identifier that the transmission path does not include at least one further operative means adapted for decompressing the signals when being transmitted in their compressed form (column 8, lines 1-62), and forth transmission means operative in response to a determination made by the second identifier that the transmission path does not include at least one further operative means adapted for decompressing the signals



Art Unit: 2625

being transmitted in their compressed form into the decompressed digital output signals (column 8, line 40-column 9, line 50).

Regarding **claim 13**, Piasecki discloses a method for transmission of telecommunication signals of at least two different types (column 2, lines 20-53), with the method comprising determining the type of the signals received and distinguishing therefrom signals of at least one pre-defined type from signals of other types, based on the determining step (column 2, lines 20-63), diverting signals of a pre-defined type from a first transmission path along which signals of the other types are transmitted (column 7, lines 1-56), transmitting the signals of the other types along the first transmission path (column 7, lines 1-56), and transmitting the diverted signals along a second transmission path (column 7, lines 1-56).

Regarding **claim 14**, Piasecki discloses the method according to claim 13 discussed above, and further teaches that the diverted signals are stored and transmitted at a later stage via the first transmission path (column 8, lines 10-25).

Regarding **claim 15**, Piasecki discloses the method according to claim 14 discussed above, and further teaches that the diverted signals are stored in a storage means prior to their transmittal along a second transmission path (column 8, lines 10-25).

13. **Claims 1, 3-5, and 7-13** are rejected under 35 U.S.C. 102(e) as being anticipated by Sicher *et al.* (U.S. Patent Number 6,112,084, cited in the Office action dated 8/25/05).

Regarding **claim 1**, Sicher discloses a digital telecommunication station operative in a telecommunication network (see abstract) and comprising at least one detector operative to receive at least two different types of signals and determine their type (column 5, line 29-column

Art Unit: 2625

6, line 34), at least one switch controlled by one of the at least one detector, operative to channel signals received in accordance with the determination made by the one of the at least one detector (column 5, line 29-column 6, line 34, being either a voice transmission and a data transmission), a first transmission means operative to transmit the received signals along a first transmission path (column 10, line 6-column 11, line 17), wherein signals of at least one type selected from among said at least two different types of signals are diverted from the first transmission path along which signals of the other types are transmitted (column 8, lines 16-45, and column 10, line 6-column 11, line 17), and a second transmission means operative to transmit the diverted signals of the at least one type along a second transmission path (column 10, line 6-column 11, line 17).

Regarding **claim 3**, Sicher discloses the station according to claim 1 discussed above, and further teaches of at least two different pairs of compressing/decompressing devices (column 7, line 11-column 8, line 15).

Regarding **claim 4**, Sicher discloses the station according to claim 1 discussed above, and further teaches of that the signals of the at least one type to be diverted are facsimile signals (column 10, line 6-column 11, line 17).

Regarding **claim 5**, Sicher discloses the station according to claim 4 discussed above, and further teaches of a device for demodulating/re-modulating the facsimile signals (column 11, line 23-column 12, line 48).

Regarding **claim 7**, Sicher discloses the station according to claim 1 discussed above, and further teaches that the signals of the at least one type to be diverted are signals used for a service that requires a lower class of quality (column 6, lines 15-50).

Regarding **claim 8**, Sicher discloses the station according to claim 3 discussed above, and further teaches of a first identifier for determining whether the signals received are of a digital compressed form (column 5, line 29-column 6, line 50), second identifier for determining whether the transmission path along which the signals will be transmitted includes at least one further operative means adapted for decompressing the signals when being transmitted in their compressed form (column 6, line 15-column 7, line 45), third transmission means operative in response to a determination made by the second identifier that the transmission path does not include at least one further operative means adapted for decompressing the signals when being transmitted in their compressed form (column 7, lines 11-50), and forth transmission means operative in response to a determination made by the second identifier that the transmission path does not include at least one further operative means adapted for decompressing the signals being transmitted in their compressed form into the decompressed digital output signals (column 7, lines 11-50).

Regarding **claim 9**, Sicher discloses a telecommunication system (see Figs. 1, 4, 6, 9, and 10) comprising at least one transmitter at least a first end of the transmission network (see Figs. 1, 4, 6, 9, and 10), at least one receiver at least a second end of the transmission network (see Figs. 1, 4, 6, 9, and 10), and at least one digital telecommunication station of claim 1.

Regarding **claim 10**, Sicher discloses a telecommunication system (see Figs. 1, 4, 6, 9, and 10) comprising at least one transmitter at least a first end of the transmission network (see Figs. 1, 4, 6, 9, and 10), at least one receiver at least a second end of the transmission network (see Figs. 1, 4, 6, 9, and 10), and at least one pair of digital telecommunication stations of claim 3.

Regarding *claim 11*, Sicher discloses the system according to claim 10 discussed above, and further teaches that at least one pair of telecommunication stations is selectively operated (see Figs. 1, 4, 6, 9, and 10, and column 11, lines 23-65).

Regarding *claim 12*, Sicher discloses the system according to claim 9 discussed above, and further teaches that the at least one of digital telecommunication station is capable of establishing a communication connection with more than two digital communication stations (column 8, line 46-column 9, line 26, and column 11, lines 23-65).

Regarding *claim 13*, Sicher discloses a method for transmission of telecommunication signals of at least two different types (see abstract), with the method comprising determining the type of the signals received (column 5, line 29-column 6, line 34) and distinguishing therefrom signals of at least one pre-defined type from signals of other types, based on the determining step (column 5, line 29-column 6, line 34, being either a voice transmission and a data transmission), diverting signals of a pre-defined type from a first transmission path along which signals of the other types are transmitted (column 8, lines 16-45, and column 10, line 6-column 11, line 17), transmitting the signals of the other types along the first transmission path (column 10, line 6-column 11, line 17), and transmitting the diverted signals along a second transmission path (column 10, line 6-column 11, line 17).

***Conclusion***

14. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

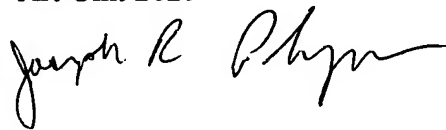
15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joe Pokrzywa whose telephone number is (571) 272-7410. The examiner can normally be reached on Monday-Friday, 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2625

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Joseph R. Pokrzywa  
Primary Examiner  
Art Unit 2625

A handwritten signature in black ink, appearing to read "Joseph R. Pokrzywa", written in a cursive style.

jrj